

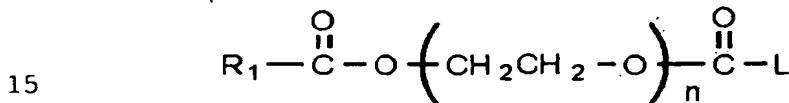
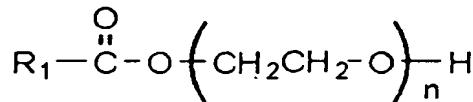
WHAT IS CLAIMED:

1. A method for preparing an ester bleach activator compound expressed by the following Chemical Formula 1, the method comprising:

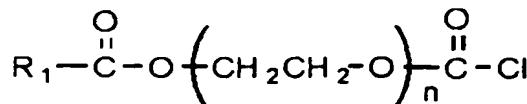
5 (A) preparing a fatty acid monoester having the structure of the following Chemical Formula 2;

(B) making a chloroformate having the structure of the following Chemical Formula 3 by reacting the fatty acid monoester with at least one selected from the group consisting of phosgene, diphosgene and triphosgene in the presence of base; and

10 (C) reacting the chloroformate with hydroxybenzene, its derivatives, or its salts in water,

Chemical Formula 1Chemical Formula 2

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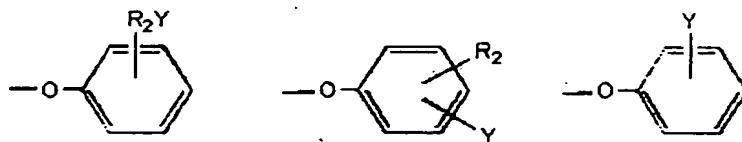
Chemical Formula 3

25 where, in the Chemical Formulas 1, 2 and 3,  $R_1$  is a linear or branched alkyl of 1 to 19 carbon atoms, a linear or branched alkenyl of 1 to 19 carbon atoms, or a mixture of

at least two selected from them, n is an integer from 1 to 10, and L is one selected from the group having the structure of the following Chemical Formula 4,

Chemical Formula 4

5



where, in the Chemical Formula 4, R<sub>2</sub> is alkyl of 1 to 20 carbon atoms or alkenyl of 1 to 20 carbon atoms, Y is one selected from the group consisting of hydrogen, chlorine, bromine, SO<sub>3</sub>M, CO<sub>2</sub>M and OSO<sub>2</sub>M, and M is one selected from the group consisting of hydrogen, alkaline metal ions, ammonium ion and equivalent alkali earth metal ions.

15 2. The method for preparing an ester bleach activator compound according to claim 1,

wherein the fatty acid monoester of the step (A) is prepared by reacting fatty acid with ethylene glycol or ethylene oxide.

20 3. The method for preparing an ester bleach activator compound according to claim 1, wherein a reaction temperature of the step (B) is kept in the range of 10 to 40°C.

4. The method for preparing an ester bleach activator compound according to claim 1,

wherein the content of the water is 10 to 60 wt% on the basis of the total weight

of the water, an chloroformate and hydroxybenzene, its derivatives or its salts.

5. The method for preparing an ester bleach activator compound according to claim 1, wherein a reaction temperature and a reaction time of the step (C) are  
5 respectively in the ranges of 20 to 100°C and 0.1 to 5 hours.